

Fig. 1

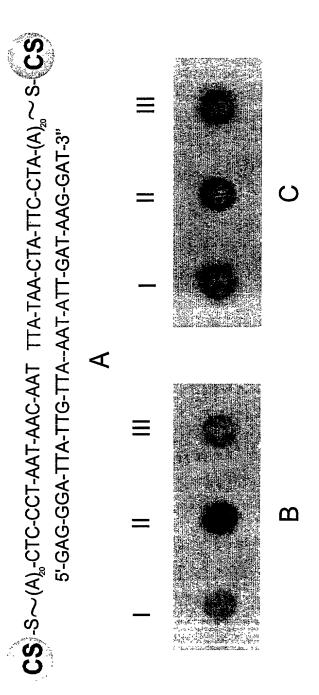


Fig. 2

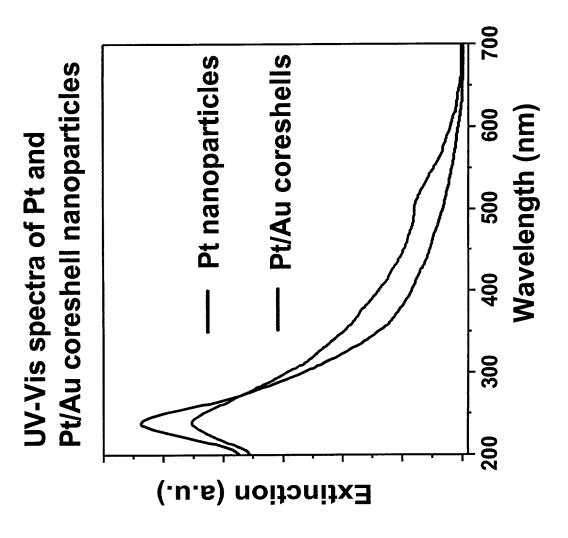
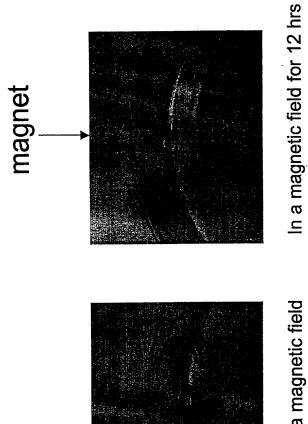


Fig. 3

Fig. 4

Magnetic properties of gold coated Fe₃O₄ nanoparticles



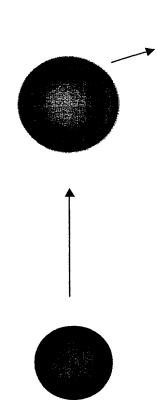
Without a magnetic field

Colorless

gold nanoparticles With the color of

Fig. 5

Coreshell Approach to Magnetic Gold Nanoparticles



Gold coated magnetic nanoparticle

A: metal oxides magnetic cores: Fe₃O₄, Co₃O₄

B: pure metal cores: Fe, Co, Ni...

C: alloy metal cores: FePt, FeAu

Fig. 6

Fig. 7

